

Abstract of the Disclosure

An optical fiber assembly having a hermetic seal portion includes a
optical fiber assembly and a metal pipe. The optical fiber assembly
5 includes a metallized portion where a portion exposed by peeling off a resin
coating of the optical fiber assembly is coated with metal. The metal pipe
includes a feedthrough hole, an uncovered portion, a brazed portion and an
adhesive-fixed portion. The feedthrough hole has a length necessary to
cover a part of the metallized portion and a part of the coated portion
10 leading to one end of the metallized portion. The uncovered portion has a
housing groove leading to the feedthrough hole and contains a remainder of
the metallized portion and a part of the coated portion leading to the other
end of the metallized portion. The brazed portion hermetically seals the
optical fiber assembly to the metal pipe by brazing the metallized portion
15 and the inner surface of the feedthrough hole near a slanted upward
opening of the feedthrough hole on the housing groove side. The
adhesive-fixed portion allows the optical fiber assembly to be disposed on
the uncovered portion adhere to the metal pipe and fixed thereto.